

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P364834

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364834  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI  
Description: VANDAL RESISTANT OPEN, SPECULAR CLEAR REFLECTOR, 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4035.0 lumens  
Efficiency: N/A  
Efficacy: 99.4 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

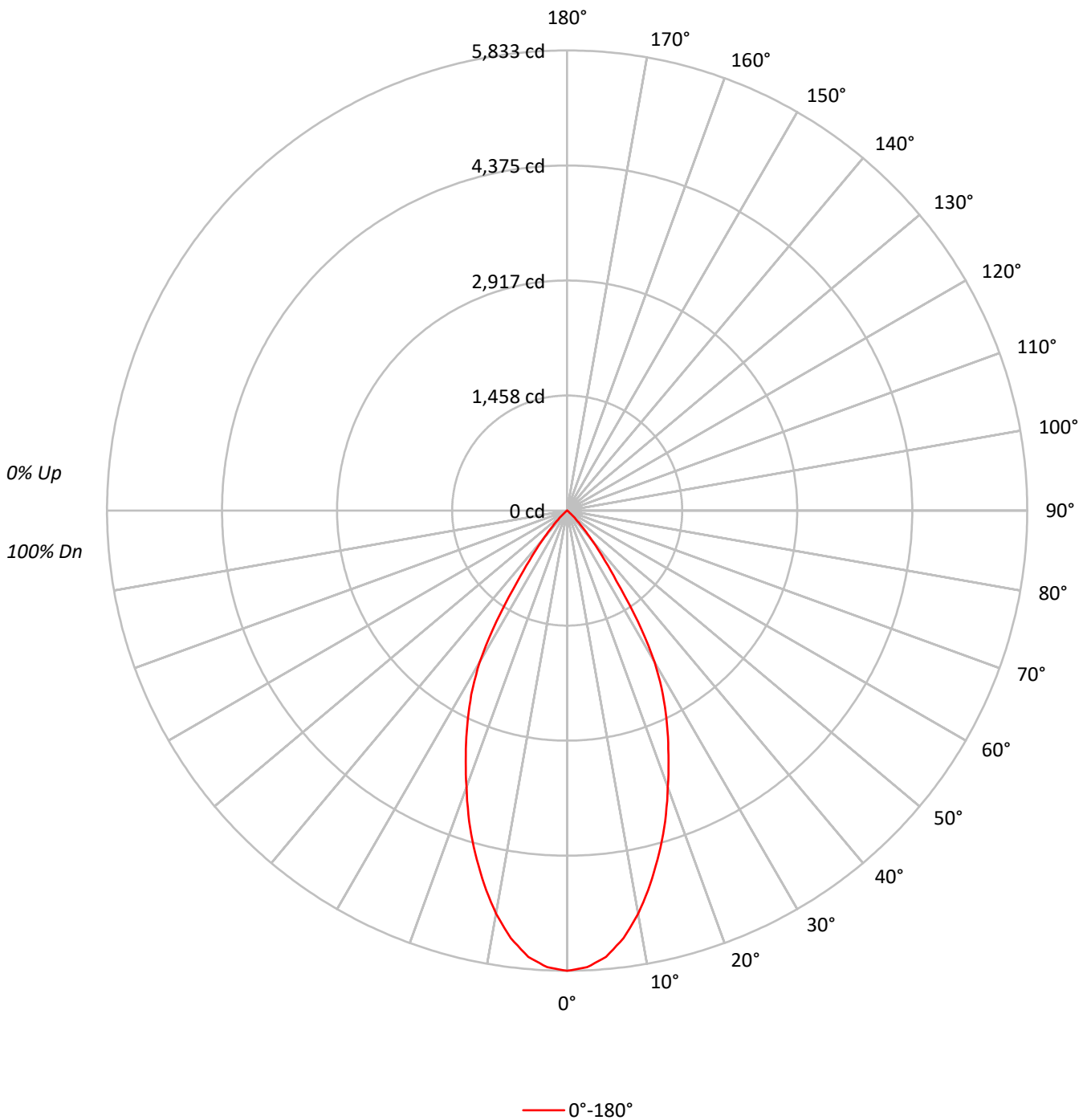
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89	87	84	83
4	99	92	87	83	97	91	86	82	88	84	81		87	83	80		85	82	79	78
5	94	86	81	77	93	85	80	76	84	79	76		82	78	75		81	77	75	73
6	90	81	76	72	88	81	75	72	79	75	71		78	74	71		77	73	70	69
7	86	77	71	67	84	76	71	67	75	70	67		74	70	66		73	69	66	65
8	82	73	67	63	81	72	67	63	71	66	63		70	66	63		69	65	62	61
9	78	69	64	60	77	69	63	60	68	63	60		67	62	59		66	62	59	58
10	75	66	60	57	74	65	60	56	64	60	56		64	59	56		63	59	56	55

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	159330
5°	155672
10°	143917
15°	127266
20°	108489
25°	90245
30°	69996
35°	36357
40°	16887
45°	6382
50°	1402
55°	195
60°	76
65°	90
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	526.1	13.0
10°-20°	1251.0	31.0
20°-30°	1363.5	33.8
30°-40°	737.2	18.3
40°-50°	149.0	3.7
50°-60°	7.1	0.2
60°-70°	1.2	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3140.6	77.8
0°-40°	3877.8	96.1
0°-60°	4033.8	100.0
0°-90°	4035.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4035.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5833	
5°	5677	526
15°	4500	1251
25°	2994	1363
35°	1090	737
45°	165	149
55°	4	7
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5833.0
2.5°	5794.4
5°	5677.4
7.5°	5466.8
10°	5188.7
12.5°	4856.9
15°	4500.4
17.5°	4131.4
20°	3732.2
22.5°	3356.3
25°	2994.3
27.5°	2630.8
30°	2219.2
32.5°	1669.9
35°	1090.3
37.5°	728.3
40°	473.6
42.5°	291.9
45°	165.2
47.5°	82.6
50°	33.0
52.5°	8.3
55°	4.1
57.5°	2.8
60°	1.4
62.5°	1.4
65°	1.4
67.5°	1.4
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)